

Vantix[™] Line Air Handlers



SH3VZ

Motor: Constant CFM Airflow Stages: 3-Stage Efficiencies: 13.4 to 16.0 SEER2 Expansion Device: Thermal Expansion Valve (TXV)



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| | |

Features and Benefits

• **Constant CFM Motor:** When paired with the EcoNet[®] Smart Thermostat, the motor gradually auto-adjusts from low capacity to 100% of capacity to meet comfort requirements – allowing for ultimate humidity control, quieter sounds levels and year-round energy savings.

When paired with a 24V two-stage thermostat, the air handler runs in 3-speeds to match airflow with outdoor unit

 Diagnostics – Easy & Quick Diagnostics & Ongoing Monitoring with Bluetooth®1 Technology & EcoNet®: With the Russell® By Rheem Contractor & EcoNet® Apps, built-in technology makes monitoring, troubleshooting and repairing the product easier than ever before

The Russell[®] By Rheem Contractor App via Bluetooth[®] technology, features up to 62% faster overall diagnostics over other residential HVAC brands²

- No Dip Switches = Fast Seamless Final Installation: The Russell[®] By Rheem Contractor App-based commissioning via Bluetooth[®] technology, features up to 54% faster installation over other residential HVAC brands
- New Russell[®] By Rheem Air Handler Control Board (AHC): Enables constant CFM airflow
 - Introduces Bluetooth[®] connectivity for access to advanced diagnostic information from the Rheem Contractor App on your mobile device
 - Maintains EcoNet[®] diagnostics for remote access when shared by the homeowner

- Aluminum Indoor Coil Design: Constructed of aluminum fins bonded to internally grooved aluminum tubing and are more corrosion resistant
- Quieter Sound Levels: Provided by sturdy cabinet construction with 1.0 inch of foil faced insulation for quieter sound characteristics
- Versatile 4-Way Convertible Compact Design: Allows for upflow, downflow, horizontal left and horizontal right applications, even in the smallest of spaces
- Rugged Steel, Compact Cabinet Construction: Designed for added strength and versatility
- Field-installed Auxiliary Heater Kits: Provide exact heat for indoor comfort and include circuit breakers which meet UL and cUL requirements for service disconnect
- Less than 2% Cabinet Air Leakage at 1-inch H₂O: When tested in accordance with ASHRAE Standard 193

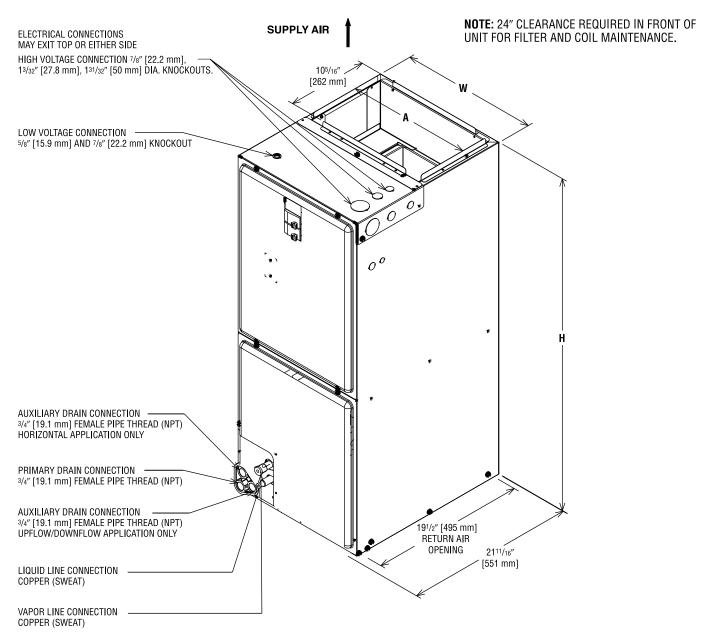
Air Handlers s Н 3 V Z <u>24</u> <u>17</u> s Ţ c ī A Ν Brand Product Stages Motor Type Refrigerant Capacity Width Efficiency Metering Major Controls Coil Voltage Category Of Airflow Series Series A -C -N - N Coil J - 208-240/1/60 1st Design Communicating

60 - 60,000 [17.58 kW]

| AVAILABLE MODELS |
|------------------|
| SH3VZ2417STACNJ |
| SH3VZ2417MTACNJ |
| SH3VZ3617STACNJ |
| SH3VZ3621MTACNJ |
| SH3VZ4821STACNJ |
| SH3VZ4824STACNJ |
| SH3VZ6024STACNJ |

| STANDARD EQUIPMENT |
|--|
| Equipped standard with an EcoNet [®] Air Handler control board that allows it to directly communicate with the EcoNet [®] Smart Thermostat. The EcoNet [®] Smart Thermostat serves as the hub of communication for a home's Heating, Cooling, and Water Heating systems, and is required to operate an EcoNet [®] Enabled Heating and Cooling system in fully communicating mode. Built in WiFi enables remote operation of EcoNet [®] Enabled equipment from the mobile-friendly web portal or mobile apps. |
| WiFi broadband internet connection required. Download the EcoNet® App from the App Store or Google Play to set up your EcoNet® Smart Thermostat. Receipt of notification depend on home WiFi set up. WiFi broadband internet connection required. |
| Selectable continuous fan "on" options. |
| The most compact unit design available, all standard heat air handler models only 42-1/2 to 57 inches [1079 to 1448 mm] high. |
| Attractive pre-painted cabinet exterior. |
| Rugged steel cabinet construction, designed for added strength and versatility. |
| 1.0" foil faced insulation mechanically retained in blower compartment. |
| Four leg rubber insulated motor mount. |
| Field-installed auxiliary heater kit includes circuit breakers that meet UL and cUL requirements as a service disconnect switch. |
| Blower housing with integrated controls, motor and blower. Slide out design for service and maintenance convenience. |
| Field convertible for vertical upflow, vertical downflow, horizontal left hand or right hand air supply. |
| 3 combustible floor base accessories fit all model sizes when required for downflow installations on combustible floors. |
| Indoor coil design provides low air side pressure drop, high performance and extremely compact size. All coils come with PVC condensate elbow standard. |
| Coils are constructed of aluminum fins bonded to internally grooved aluminum tubing. |
| Coils are tested at the factory with an extensive refrigerant leak check. |
| Coils have copper sweat refrigerant connections. |
| Coils utilize chatleff metering device connections. |
| Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils. |
| Supply duct flanges provided as standard on air handler cabinet. |
| Provisions for field electrical connections available from either side or top of the air handler cabinet. |
| Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet. |
| Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1-1/2 inch [38 mm] conduit. |
| Front refrigerant and drain connections. |

Unit Dimensions



[] Designates Metric Conversions

Return Air Opening Dimensions

| Model Cabinet Size | Return Air Opening Width (Inches) | Return Air Opening Depth/Length (Inches) |
|-----------------------|---|--|
| 17 | 15 ⁷ /8 | 19 ³ /4 |
| 21 | 19 ³ /8 | 19 3/4 |
| 24 | 22 7/8 | 19 ³ / ₄ |

FIGURE 6 VERTICAL DOWNFLOW & HORIZONTAL RIGHT APPLICATION

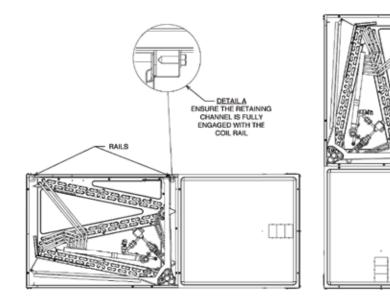
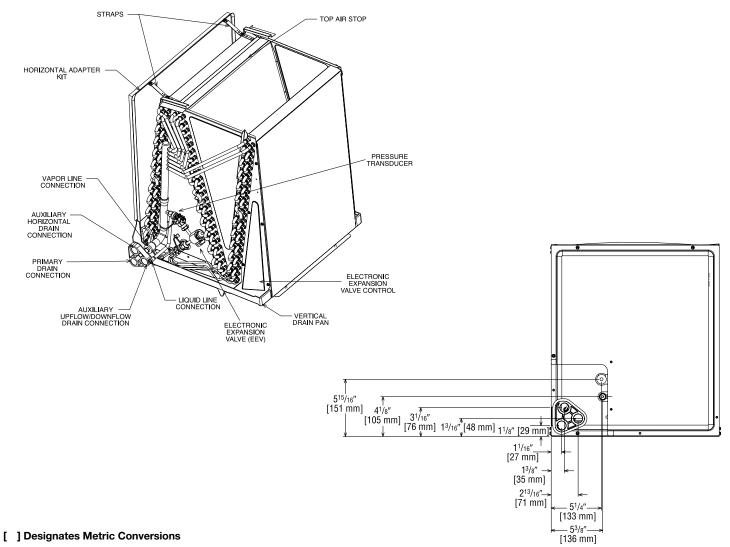


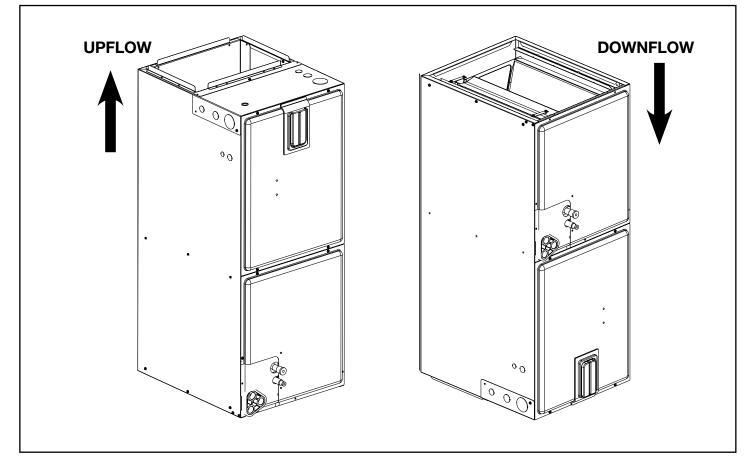
FIGURE 7 INDOOR COIL AND DRAIN PAN SET-UP

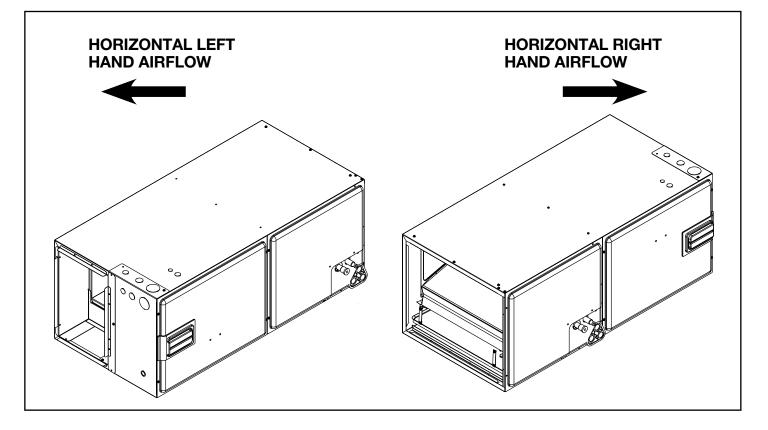


Unit Dimensions & Weights

| Model Size | Refrigerant Connections Sweat (In.) [mm] ID | | | | Unit Width | Unit Height | Supply Duct | Unit Weight/ Shipping Weight |
|---------------|--|-------------------------|---------------|---------------------------|--------------------------|-----------------|----------------|---------------------------------|
| SH3VZ | Liquid | Vapor | "W" In. [mm] | "H" In. [mm] | "A" In. [mm] | (Lbs.) [kg] | | |
| 2417STACN | ³ /8 [9.53] | ³ /4 [19.05] | 171/2 [445.0] | 42 ¹ /2 [1080] | 16 [406] | 91/105 [41/48] | | |
| 2717MTAC | 3/8 [9.53] | ³ /4 [19.05] | 171/2 [445.0] | 421/2 [1080] | 16 [406] | 99/113 [45/51] | | |
| 3617STACN | ³ /8 [9.53] | 7/8 [22.23] | 171/2 [445.0] | 421/2 [1080] | 16 [406] | 99/113 [45/51] | | |
| 3621MTAC | ³ /8 [9.53] | 7/8 [22.23] | 21 [533.0] | 50 ¹ /2 [1282] | 19 ¹ /2 [495] | 129/145 [59/66] | | |
| 4821STACN | ³ /8 [9.53] | 7/8 [22.23] | 21 [533.0] | 501/2 [1282] | 191/2 [495] | 129/145 [59/66] | | |
| 4824STAC | ³ /8 [9.53] | 7/8 [22.23] | 241/2 [622.0] | 55 ¹ /2 [1410] | 23 [584] | 158/175 [72/79] | | |
| 6024STACN | ³ /8 [9.53] | 7/8 [22.23] | 241/2 [622.0] | 55 ¹ /2 [1410] | 23 [584] | 158/175 [72/79] | | |

Airflow Directional Data





208V/240V Airflow Performance Data – SH3VZ (Constant Torque (ECM) Motor)

| Rated Airflow for SH3VZ Air-Handlers + SA15/SA16 Condensing Units & RP16 Heat Pumps | | | | | | |
|--|---------------|------------|--------------|--------------|--------------|--|
| | | | SH3VZ Airfle | ow (EcoNet®) | | |
| Air Handler Model | Outdoor Model | Cooling Mo | de CFM [L/s] | Heating Mo | de CFM [L/s] | |
| | | Minimum | Maximum | Minimum | Maximum | |
| | SA15AZ24 | 340 [160] | 750 [354] | — | — | |
| SH3VZ2417STACN | SA16AZ24 | 340 [160] | 750 [354] | _ | _ | |
| | SP16AZ24 | 360 [170] | 750 [354] | 360 [170] | 750 [354] | |
| | | 500 [236] | 1125 [531] | _ | _ | |
| SH3VZ2417MTACN | | 500 [236] | 1125 [531] | — | _ | |
| | | 500 [236] | 1125 [531] | 500 [236] | 1125 [531] | |
| | SA15AZ36 | 500 [236] | 1125 [531] | _ | _ | |
| SH3VZ3617STACN | SA16AZ36 | 500 [236] | 1125 [531] | _ | _ | |
| | SP16AZ36 | 500 [236] | 1125 [531] | 500 [236] | 1125 [531] | |
| | | 650 [307] | 1450 [684] | _ | _ | |
| SH3VZ3621MTACN | | 650 [307] | 1450 [684] | _ | _ | |
| | | 650 [307] | 1450 [684] | 650 [307] | 1450 [684] | |
| | SA15AZ48 | 650 [307] | 1450 [684] | _ | _ | |
| SH3VZ4821STACN | SA16AZ48 | 650 [307] | 1450 [684] | _ | _ | |
| | SP16AZ48 | 650 [307] | 1450 [684] | 650 [307] | 1450 [684] | |
| | | 810 [382] | 1800 [850] | _ | - | |
| SH3VZ4824STACN | | 810 [382] | 1800 [850] | _ | | |
| | | 810 [382] | 1800 [850] | 810 [382] | 1800 [850] | |
| | SA15AZ60 | 810 [382] | 1800 [850] | _ | - | |
| SH3VZ6024STACN | SA16AZ60 | 810 [382] | 1800 [850] | _ | — | |
| | SP16AZ60 | 810 [382] | 1800 [850] | 810 [382] | 1800 [850] | |

Electrical Data – Blower Motor Only – No Electric Heat SH3VZ

| Model SH3VZ | Voltage | Phase* | Hertz | HP [W] | RPM | Motor Amps. | Minimum Circuit Ampacity | Maximum Overcurrent Protection | | | | | | |
|----------------|---------|--------|-------|-----------|----------|----------------|--------------------------------|--------------------------------------|--|-----------|----------|-----|---|----|
| 2417STACNJ | | | | 1/3 [249] | 300-1300 | 2.8 | 4 | 15 | | | | | | |
| 2417MTACNJ | | | | 1/2 [373] | 300-1300 | 4.6 | 6 | 15 | | | | | | |
| 3617STACNJ | | | | 1/2 [373] | 300-1300 | 4.6 | 6 | 15 | | | | | | |
| 3621MTACNJ | 208/240 | 1 | 60 | 3/4 [559] | 300-1300 | 5.4 | 7 | 15 | | | | | | |
| 4821STACNJ | | | | | | | | | | 3/4 [559] | 300-1300 | 5.4 | 7 | 15 |
| 4824STACNJ | | | | 3/4 [559] | 300-1300 | 5.2 | 7 | 15 | | | | | | |
| 6024STACNJ | | | | 3/4 [559] | 300-1300 | 5.2 | 7 | 15 | | | | | | |

*Blower motors are all single-phase motors

Electrical Data – With Electric Heat SH3VZ

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model | Heater Model Number | Heater kW (208/240V) | Ph/Hz | No. Elements – kW per | Type Supply Circuit Single Circuit Multiple Circuit | Heater Amps. | Blower Motor Amps | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|------------------------------------|------------------------|-------------------------|-------|-----------------------------|---|-----------------|-------------------------|--------------------------------|--------------------------------------|
| | RXBH-1724?03J-B | 2.3/3.0 | 1/60 | 1-3.0 | SINGLE | 11.1/12.5 | 2.8 | 18/20 | 20/20 |
| | RXBH-1724?05J-B | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.4/20 | 2.8 | 26/29 | 30/30 |
| | RXBH-1724?07J-B | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26/30 | 2.8 | 36/41 | 40/45 |
| SH3VZ2417STACNJ | RXBH-1724?10J-B | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.7/40 | 2.8 | 47/54 | 50/60 |
| | | 9.4/12.5 | 1/60 | 3-4.17 | SINGLE | 45.2/52.1 | 2.8 | 60/69 | 60/70 |
| | RXBH-1724A13J-B | 3.1/4.2 | 1/60 | 1-4.17 | MULTIPLE CKT 1 | 15/17.5 | 2.8 | 23/26 | 25/30 |
| | | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.3/34.6 | 0 | 38/44 | 40/45 |
| | RXBH-1724?03J-B | 2.3/3.0 | 1/60 | 1-3.0 | SINGLE | 11.1/12.5 | 4.6 | 20/22 | 20/25 |
| | RXBH-1724?05J-B | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.4/20 | 4.6 | 28/31 | 30/35 |
| | RXBH-1724?07J-B | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26/30 | 4.6 | 39/44 | 40/45 |
| | RXBH-1724?10J-B | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.7/40 | 4.6 | 50/56 | 50/60 |
| | | 9.4/12.5 | 1/60 | 3-4.17 | SINGLE | 45.2/52.1 | 4.6 | 63/71 | 70/80 |
| | RXBH-1724A13J-B | 3.1/4.2 | 1/60 | 1-4.17 | MULTIPLE CKT 1 | 15/17.5 | 4.6 | 25/28 | 25/30 |
| SH3VZ2417MTACNJ SH3VZ3617STACNJ | | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.3/34.6 | 0 | 38/44 | 40/45 |
| 3H3VZ30173TAGNJ | | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 52/60 | 4.6 | 71/81 | 80/90 |
| | RXBH-1724A15J-B | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.4/20 | 4.6 | 28/31 | 30/35 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 12.8/17.0 | 1/60 | 3-5.68 | SINGLE | 61.6/70.9 | 4.6 | 83/95 | 90/100 |
| | RXBH-1724A18J-B | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.7/23.8 | 4.6 | 32/36 | 35/40 |
| | | 8.5/11.3 | 1/60 | 2-5.68 | MULTIPLE CKT 2 | 40.9/47.1 | 0 | 52/59 | 60/60 |
| | RXBH-1724?03J-B | 2.3/3.0 | 1/60 | 1-3.0 | SINGLE | 11.1/12.5 | 5.4 | 21/23 | 25/25 |
| | RXBH-1724?05J-B | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.4/20 | 5.4 | 29/32 | 30/35 |
| | RXBH-1724?07J-B | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26/30 | 5.4 | 40/45 | 40/45 |
| | RXBH-1724?10J-B | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.7/40 | 5.4 | 51/57 | 60/60 |
| | | 9.4/12.5 | 1/60 | 3-4.17 | SINGLE | 45.2/52.1 | 5.4 | 64/72 | 70/80 |
| | RXBH-1724A13J-B | 3.1/4.2 | 1/60 | 1-4.17 | MULTIPLE CKT 1 | 15/17.5 | 5.4 | 26/29 | 30/30 |
| SH3VZ3621MTACNJ SH3VZ4821STACNJ | SH3VZ3621MTACNJ | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.3/34.6 | 0 | 38/44 | 40/45 |
| | | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 52/60 | 5.4 | 72/82 | 80/90 |
| | RXBH-1724A15J-B | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.4/20 | 5.4 | 29/32 | 30/35 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 12.8/17.0 | 1/60 | 3-5.68 | SINGLE | 61.6/70.9 | 5.4 | 84/96 | 90/100 |
| | RXBH-1724A18J-B | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.7/23.8 | 5.4 | 33/37 | 35/40 |
| | | 8.5/11.3 | 1/60 | 2-5.68 | MULTIPLE CKT 2 | 40.9/47.1 | 0 | 52/59 | 60/60 |

? = A/B/C Heater Connection Types

A = Breaker B = Terminal Block

C = Pullout Disconnect

Electrical Data – With Electric Heat SH3VZ (Con't.)

Installation of the U.L. Listed original equipment manufacturer provided heater kits listed in the following table is recommended for all auxiliary heating requirements.

| Air Handler Model | Heater Model Number | Heater kW (208/240V) | Ph/Hz | No. Elements – kW per | Type Supply Circuit Single Circuit Multiple Circuit | Heater Amps. | Blower Motor Amps | Minimum Circuit Ampacity | Maximum Overcurrent Protection |
|------------------------------------|------------------------|-------------------------|-------|-----------------------------|---|-----------------|-------------------------|--------------------------------|--------------------------------------|
| | | 14.4/19.2 | 1/60 | 4-4.8 | SINGLE | 69.3/80 | 5.4 | 94/107 | 100/110 |
| | RXBH-24A20J-B | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.7/40 | 5.4 | 51/57 | 60/60 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 18.0/24.0 | 1/60 | 6-4.0 | SINGLE | 86.6/100 | 5.4 | 115/132 | 125/150 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 1 | 28.9/33.4 | 5.4 | 43/49 | 45/50 |
| SH3VZ3621MTACNJ SH3VZ4821STACNJ | RXBH-24A25J-B | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 2 | 28.9/33.4 | 0 | 37/42 | 40/45 |
| 3113VZ402131A0NJ | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 3 | 28.9/33.4 | 0 | 37/42 | 40/45 |
| | | 21.6/28.8 | 1/60 | 6-4.8 | SINGLE | 103.9/120 | 5.4 | 137/157 | 150/175 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.7/40 | 5.4 | 51/57 | 60/60 |
| | RXBH-24A30J-B | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 3 | 34.7/40 | 0 | 44/50 | 45/50 |
| | RXBH-1724?03J-B | 2.3/3.0 | 1/60 | 1-3.0 | SINGLE | 11.1/12.5 | 5.2 | 21/23 | 25/25 |
| | RXBH-1724?05J-B | 3.6/4.8 | 1/60 | 1-4.8 | SINGLE | 17.4/20 | 5.2 | 29/32 | 30/35 |
| | RXBH-1724?07J-B | 5.4/7.2 | 1/60 | 2-3.6 | SINGLE | 26/30 | 5.2 | 39/44 | 40/45 |
| | RXBH-1724?10J-B | 7.2/9.6 | 1/60 | 2-4.8 | SINGLE | 34.7/40 | 5.2 | 50/57 | 50/60 |
| | | 9.4/12.5 | 1/60 | 3-4.17 | SINGLE | 45.2/52.1 | 5.2 | 63/72 | 70/80 |
| | RXBH-1724A13J-B | 3.1/4.2 | 1/60 | 1-4.17 | MULTIPLE CKT 1 | 15/17.5 | 5.2 | 26/29 | 30/30 |
| | | 6.3/8.3 | 1/60 | 2-4.17 | MULTIPLE CKT 2 | 30.3/34.6 | 0 | 38/44 | 40/45 |
| | | 10.8/14.4 | 1/60 | 3-4.8 | SINGLE | 52/60 | 5.2 | 72/82 | 80/90 |
| | RXBH-1724A15J-B | 3.6/4.8 | 1/60 | 1-4.8 | MULTIPLE CKT 1 | 17.4/20 | 5.2 | 29/32 | 30/35 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 12.8/17.0 | 1/60 | 3-5.68 | SINGLE | 61.6/70.9 | 5.2 | 84/96 | 90/100 |
| SH3VZ4824STACNJ | RXBH-1724A18J-B | 4.3/5.7 | 1/60 | 1-5.68 | MULTIPLE CKT 1 | 20.7/23.8 | 5.2 | 33/37 | 35/40 |
| SH3VZ6024STACNJ | | 8.5/11.3 | 1/60 | 2-5.68 | MULTIPLE CKT 2 | 40.9/47.1 | 0 | 52/59 | 60/60 |
| | | 14.4/19.2 | 1/60 | 4-4.8 | SINGLE | 69.3/80 | 5.2 | 94/107 | 100/110 |
| | RXBH-24A20J-B | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.7/40 | 5.2 | 50/57 | 50/60 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | RXBH-24A25J-B | 18.0/24.0 | 1/60 | 6-4.0 | SINGLE | 86.6/100 | 5.2 | 115/132 | 125/150 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 1 | 28.9/33.4 | 5.2 | 43/49 | 45/50 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 2 | 28.9/33.4 | 0 | 37/42 | 40/45 |
| | | 6.0/8.0 | 1/60 | 2-4.0 | MULTIPLE CKT 3 | 28.9/33.4 | 0 | 37/42 | 40/45 |
| | | 21.6/28.8 | 1/60 | 6-4.8 | SINGLE | 103.9/120 | 5.2 | 137/157 | 150/175 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 1 | 34.7/40 | 5.2 | 50/57 | 50/60 |
| | RXBH-24A30J-B | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 2 | 34.7/40 | 0 | 44/50 | 45/50 |
| | | 7.2/9.6 | 1/60 | 2-4.8 | MULTIPLE CKT 3 | 34.7/40 | 0 | 44/50 | 45/50 |

? = A/B/C Heater Connection Types A = Breaker

B = Terminal Block C = Pullout Disconnect

Electrical Wiring

Power Wiring

- Field wiring must comply with the National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- Supply wiring must be 75°C minimum copper conductors only.
- See electrical data for product Ampacity rating and Circuit Protector requirement.

Accessories

• Combustible Floor Base RXHB-

| Model Cabinet Size | Combustible Floor Base Model Number |
|--------------------|--|
| 17 | RXHB-17 |
| 21 | RXHB-21 |
| 24 | RXHB-24 |

- Jumper Bar Kit 3 Ckt. to 1 Ckt. RXBJ-A31 is used to convert single phase multiple three circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- Jumper Bar Kit 2 Ckt. to 1 Ckt. RXBJ-A21 is used to convert single phase multiple two circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- Note: No jumper bar kit is available to convert three phase multiple two circuit units to a single supply circuit.

Auxiliary Horizontal Overflow Pan Accessory RXBM-

| Nominal Cooling Capacity-Tons | Auxiliary Horizontal Overflow Pan Accessory Model Number |
|----------------------------------|---|
| 2 - 3 | RXBM-AC48 |
| 4 - 5 | RXBM-AC61 |

• Supply and Return Air Sensor Kit RXHT-A02 The RXHT-A02 Thermistor Kit is to be used with the air handler control to monitor the system return and leaving air temperatures. These temperatures can be monitored with the EcoNet[®] communicating thermostat.

Grounding

- This product must be sufficiently grounded in accordance with National Electrical Code (C.E.C. in Canada) and any applicable local ordinance.
- A grounding lug is provided.

• Auxiliary Electric Heater Kits RXBH-

Heater Kits include circuit breakers which meet UL and cUL requirements for service disconnect. See the Electric Heat Electrical Data in this specification sheet for specific Heater Kit Model numbers.

• Horizontal Adapter Kit RXHH-

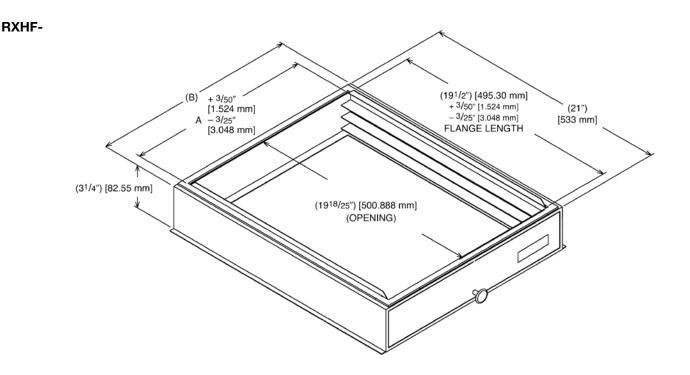
This horizontal adapter kit is used to convert Upflow/Downflow only models to horizontal flow. See the following table to order proper horizontal adapter kit.

| Coil Model | Horizontal Adapter Kit Model Number (Single Qty.) | Horizontal Adapter Kit Model Number (10-Pack Qty.) |
|----------------|--|---|
| 2414 | RXHH-A01 | RXHH-A01 x 10 |
| 2417 | RXHH-A02 | RXHH-A02 x 10 |
| 2421/3617/3621 | RXHH-A03 | RXHH-A03 x 10 |
| 4821/4824/6021 | RXHH-A06 | RXHH-A06 x 10 |
| 6024 | RXHH-A05 | RXHH-A05 x 10 |

• External Filter Base RXHF-

| Model Cabinet Size | Filter Size In. [mm] | Part Number* | A | В |
|--------------------|----------------------|--------------|-------|------|
| 17 | 16 x 20 [406 x 508] | RXHF-17 | 15.70 | 17.5 |
| 21 | 20 x 20 [508 x 508] | RXHF-21 | 19.20 | 21.0 |
| 24 | 25 x 20 [635 x 508] | RXHF-24 | 22.70 | 25.5 |

*Accommodates 1" or 2" filter





GENERAL TERMS OF LIMITED WARRANTY*

Russell[®] By Rheem will furnish a replacement for any part of this product which fails in normal use and service within the applicable period stated, in accordance with the terms of the limited warranty. Conditional Parts (Registration Required).....Ten (10) Years

*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

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In keeping with its policy of continuous progress and product improvement, Russell by Rheem reserves the right to make changes without notice.

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